



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/665,770      | 09/19/2003  | Pankaj Jay Pasricha  | D6475               | 6393             |

7590 06/03/2008  
Benjamin Aaron Adler  
ADLER & ASSOCIATES  
8011 Candle Lane  
Houston, TX 77071

|          |
|----------|
| EXAMINER |
|----------|

KIM, JENNIFER M

|          |              |
|----------|--------------|
| ART UNIT | PAPER NUMBER |
|----------|--------------|

1617

|           |               |
|-----------|---------------|
| MAIL DATE | DELIVERY MODE |
|-----------|---------------|

06/03/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

|                              |                                      |   |  |
|------------------------------|--------------------------------------|---|--|
| <b>Office Action Summary</b> | <b>Application No.</b><br>10/665,770 | <b>Applicant(s)</b><br>PASRICHA, PANKAJ JAY |  |
|                              | <b>Examiner</b><br>Jennifer Kim      | <b>Art Unit</b><br>1617                     |  |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on April 7, 2008.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) 7-9 and 16-18 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6 and 10-15 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on April 7, 2008 has been entered.

### **Action Summary**

The rejection of claims 10-14 are rejected under 35 U.S.C. 102(b) as being anticipated by Chiesi et al. (WO 00/06132A2) evidenced by Basu et al. (U.S.2002/0025348A1) is being **maintained** for the reasons stated in the previous Office Action.

The rejection of claims 1-6 and 15 under 35 U.S.C. 103(a) as being unpatentable over Chiesi et al. (WO 00/06132A2) in view of Basu et al. (U.S.2002/0025348A1) is being **maintained** for the reasons stated in the previous Office Action.

### ***Claim Rejections - 35 USC § 102***

Art Unit: 1617

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 10-14 are rejected under 35 U.S.C. 102(b) as being anticipated by Chiesi et al. (WO 00/06132A2) evidenced by Basu et al. (U.S.2002/0025348A1) of record.

Chiesi et al. teach that pharmaceutical formulation for the treatment of inflammatory bowel disease containing as an active ingredient, beclomethasone dipropionate (BDP). (abstract). Chiesi et al. teach that the formulation demonstrates no systemic absorption of BDP and its major active metabolites. (page 14, Example 5). Chiesi et al. teach the amount of BDP to be employed includes 3mg and 5mg. (page 3, lines 9-11 and page 8-9 Examples 1 and 2).

Basu et al. report that IBS (irritable bowel syndrome) also tends to occur in IBD (inflammatory bowel disease) patients who are in remission from their IBD symptomologies. (page 1, [0009], last full sentence).

Accordingly, claim 10 drawn to “a method of **alleviating the symptoms of irritable bowel syndrome in an individual in need of such treatment**” is anticipated by the prior art as evidenced by Basu et al. because Basu et al. report that IBS tends to occur in IBD patients who are in remission from their IBD symptomologies. Therefore, the IBD patients disclosed by **Chiesi et al. are the patients in need of treatment of irritable bowel syndrome** because IBS tends to occur in IBD patients. Further, the mechanism of action of increasing the threshold of pain to colorectal distention, thereby alleviating the symptoms of irritable bowel syndrome in the individual would be inherent in Chiesi's method of treating inflammatory bowel disease comprising identical patients

Art Unit: 1617

having IBD who are in need of alleviating the symptoms of irritable bowel syndrome as evidenced by Basu et al.

***Claim Rejections - 35 USC § 103***

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1-6 and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chiesi et al. (WO 00/06132A2) in view of Basu et al. (U.S.2002/0025348A1) of record.

Chiesi et al. teach that pharmaceutical formulation for the treatment of inflammatory bowel disease containing an active ingredient, beclomethasone dipropionate (BDP). (abstract). Chiesi et al. teach that the formulation demonstrate no systemic absorption of BDP and its major active metabolites. (page 14, Example 5). Chiesi et al. teach the amount of BDP to be employed includes 3mg and 5mg. (page 3, lines 9-11 and page 8-9 Examples 1 and 2).

Basu et al. teach that the pathogenesis of inflammatory bowel disease and related disorders such as irritable bowel syndrome involve inflammation. (page 2, [0014]). Basu et al. teach that acute enteric inflammation is symptoms generated in irritable bowel syndrome (page 2, [0015]). Basu et al. teach that reduction in inflammatory agents would significantly effect the treatment of inflammatory disease like irritable bowel syndrome (IBS) and inflammatory bowel disease (IBD). (page 2, [0015]).

Art Unit: 1617

Basu et al. teach that by treating inflammation, hyperalgesia potentate by the inflammatory factors would be prevented. (page 2-3, [0015]). Basu et al. report that inflammatory bowel disease (IBD) and irritable bowel syndrome (IBS) are related. (page 1, [0003]). Basu et al. report that IBS also tends to occur in IBD patients who are in remission from their IBD symptomologies. (page 1, [0009], last full sentence).

It would have been obvious to one of ordinary skill in the art to employ beclomethasone to an individual having irritable bowel syndrome (IBS) for the treatment of such disorder because beclomethasone is effective for the treatment of inflammatory bowel disorder related to inflammation and because irritable bowel syndrome is an inflammatory disorder as taught by Base et al. One would have been motivated to make such modification in order to achieve an expected anti-inflammatory effect of beclomethasone to halt inflammation process generated as a symptom of irritable bowel syndrome. It is noted that 5mg amount employed by Chiesi et al. is within the mg/kg recited in claims 6 and 15 when the subject to be treated weigh 50kg. Thus, the claims fail to patentably distinguish over the state of the art as represented by the cited references.

None of the claims are allowed.

### ***Response to Arguments***

Applicant's arguments filed February 8, 2008 have been carefully considered but they are not persuasive. Applicant essentially argues that irritable bowel syndrome

Art Unit: 1617

(IBS) and IBD are distinct disorders. However, it is the Examiner's position that although, the histopathological changes may be different, it still does not change the relevant teaching of the prior art (Basu et al.) that IBS and IBD are inflammatory disease that is treatable with anti-inflammatory agents that halt an inflammatory process. In this case there is a great overlap in the population to be treated "patient in need thereof" because IBD patients disclosed by Chiesi et al. are the individuals in "need" of treating symptoms of irritable bowel syndrome as evidenced by Basu et al. who teach that IBS tends to occur in IBD patients. Applicant argues that the NIH website teaches that there is no link between irritable bowel syndrome and inflammatory bowel disease. However, this argument will not be addressed because the reference which relies upon is not on record. Thus, the claims fail to patentably distinguish over the state of the art as represented by the cited references.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jennifer Kim whose telephone number is 571-272-0628. The examiner can normally be reached on Monday through Friday 6:30 am to 3 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sreenivasan Padmanabhan can be reached on 571-272-0629. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for

Art Unit: 1617

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Jennifer Kim/  
Primary Examiner, Art Unit 1617

Jmk  
May 30, 2008